

What is claimed is,

1. A blower having an impeller adapted to be rotated by means of a motor comprising:

a base for supporting the motor, the base is provided and supported at the central portion of a frame by means of stays; and

a chamber for accommodating electrical components formed in the base, the back portion of the chamber is adapted to be sealed by a removable cover.

2. A blower having an impeller adapted to be rotated by means of a motor comprising:

a base for supporting the motor, the base is provided and supported at the central portion of a frame by means of stays;

a bearing apparatus for supporting a central portion of the impeller, the bearing apparatus including:

a sleeve,

a stepped shaft including a larger diameter portion and a reduced diameter portion,

the first raceway formed at an appropriate position around the outer peripheral surface of the larger diameter portion,

the second raceway formed on an inner

peripheral surface of the sleeve so as to correspond with the first raceway,

balls of a first row interposed between the first and second raceways,

an inner ring fit over the reduced diameter portion of the shaft and secured thereto,

the third raceway formed around an outer peripheral surface of the inner ring,

the fourth raceway formed on the inner peripheral surface of the sleeve so as to correspond with the third raceway,

balls of a second row interposed between the third and fourth raceways, and

a chamber for accommodating electrical components formed in the base, the back portion of the chamber is adapted to be sealed by a removable cover.

3. The blower as claimed in claim 1 wherein the chamber for accommodating electrical components is formed by the base having a flange extending backward from the outer periphery thereof to form a cylindrical body with a bottom, the chamber having an opening at the rear thereof, and the rear opening of the base is occluded by the cover detachably mounted by screws on the base.

4. The blower as claimed in claim 2 wherein the chamber for accommodating electrical components is formed by the base having a flange extending backward from the outer periphery thereof to form a cylindrical body with a bottom, the chamber having an opening at the rear thereof, and the rear opening of the base is occluded by the cover detachably mounted by screws on the base.

5. The blower as claimed in claim 2 wherein the balls of the first and the second rows of the bearing apparatus are made of ceramic material.